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(54) Switched antenna diversity transmission method and system using ARQ techniques

(57) The present invention is an improved switched antenna diversity transmission system (50) for use with an ARQ error protection protocol. The transmitter of the present invention includes an error detection encoder (62) for encoding information packets (from 60) with an error detection code, a modulator (64) for modulating the encoded information packets, and a first antenna ( $TA_1$ ) for transmitting the modulated information packets

over a first forward channel of a wireless communication medium to a receiver. The transmitter further includes a switch (66) for switching from the first antenna to a second antenna ( $TA_M$ ) for transmitting the information packets over a second forward channel of a wireless communication medium in response to a negative acknowledgment from the receiver transmitted over a feedback channel (91) of the wireless communication medium.

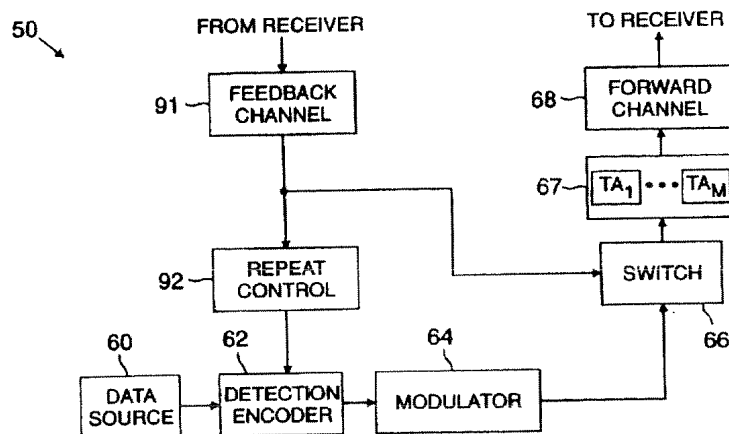


FIG. 1A



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EP 96 30 2082

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The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 8 August 2000	Examiner Martínez Martínez, V
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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